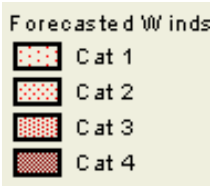
Hurricane Katrina Wind Distribution

Landfall Expected In About **12** Hours

For Official Use Only!

Most Probable Landfall Wind Distribution

This model is based on a Category 4 storm making landfall in near proximity to New Orleans, LA.



Information provided on this page displays a Category 4 storm making landfall near New Orleans, LA. These projections are based on information from the NHC ***(1700 EDT 08/28/2005)*** forecast.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Katrina Wind Fields

Generated By:
Terry Siemsen, LRL 1800 EDT 08/28/2005

Sources:
HURREVAC
LRL-DEBRIS

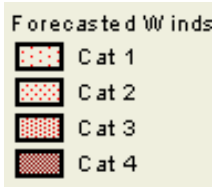
Hurricane Katrina Wind Distribution

Landfall Expected In About **12** Hours

For Official Use Only!

Most Probable Landfall Wind Distribution

This model is based on a Category 4 storm making landfall in near proximity to New Orleans, LA.



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US Army Corps of Engineers

Hurricane Katrina Wind Fields

Generated By:
Terry Siemsen, LRL 1800 EDT 08/28/2005

Sources:
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LRL-DEBRIS

Hurricane Katrina Debris Model

Landfall Expected In About **12** Hours

For Official Use Only!

Most Probable Landfall Debris Model Results

Louisiana – yd^3
Mississippi – yd^3

Model results per parish/county on following page

This model is based on a Category 4 storm making landfall in near proximity to New Orleans, LA.

Information provided on this page displays a Category 4 storm making landfall near New Orleans, LA. These projections are based on information from the NHC ***(1700 EDT 08/28/2005)*** forecast. The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds.

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US Army Corps of Engineers

Hurricane Katrina Debris Model

Generated By:
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Sources:
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LRL-DEBRIS

Hurricane Katrina Debris Model

Landfall Expected In About **12** Hours

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US Army Corps of Engineers

Hurricane Katrina Debris Model

Generated By:
Terry Siemsen, LRL 1800 EDT 08/28/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Katrina Ice Model

Landfall Expected In About **12** Hours

For Official Use Only!

Most Probable Landfall Ice Model Results

Louisiana –
Truckloads Day One
Truckloads Day Two
Truckloads Day Three

Mississippi –
Truckloads Day One
Truckloads Day Two
Truckloads Day Three

Model results per county on following page

This model is based on a Category 4 storm making landfall in near

Information provided on this page displays a Category 4 storm making landfall near New Orleans, LA. These projections are based on information from the NHC ***(1700 EDT 08/28/2005)*** forecast. The amount of ice forecasted is based on Mission Guide Book requirements (8 pounds per day per person) and Ice SME input and represents a first day daily need.

Details about this model may be obtained at **https://englink.usace.army.mil** or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers	**Hurricane Katrina Ice Model**
Generated By: Terry Siemsen, LRL 1800 EDT 08/28/2005	
Sources: HURREVAC LRL-DEBRIS	Page 5 of 16

Hurricane Katrina Ice Model

Landfall Expected In About **12** Hours

For Official Use Only!

The amount of ice forecasted is based on Mission Guide Book requirements (8 pounds per person) and Ice SME input and represents a first day daily need. The assumption in this scenario is that 40% of the resident population affected by Katrina will have power outage in this area will cause a need for ice.

Details about this model may be obtained at

https://englink.usace.army.mil

or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Katrina Ice Model

Generated By:
Terry Siemsen, LRL 1800 EDT 08/28/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Katrina Water Model

Landfall Expected In About **12** Hours

For Official Use Only!

Most Probable Landfall Water Model Results

Louisiana –
Truckloads Day One
Truckloads Day Two
Truckloads Day Three

Mississippi –
Truckloads Day One
Truckloads Day Two
Truckloads Day Three

Model results per county on following page

This model is based on a Category 4 storm making landfall in near proximity to New

Information provided on this page displays a Category 4 storm making landfall near New Orleans, LA. These projections are based on information from the NHC ***(1700 EDT 08/28/2005)*** forecast. The amount of water forecasted is based on Mission Guide Book requirements (3 liters per person per day) and Water SME input and represents a first day daily need.

Details about this model may be obtained at **https://englink.usace.army.mil** or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Katrina Water Model

Generated By:
Terry Siemsen, LRL 1800 EDT 08/28/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Katrina Water Model

Landfall Expected In About **12** Hours

For Official Use Only!

The amount of water forecasted is based on Mission Guide Book requirements (3 liters per person) and Water SME input and represents a first day daily need. The assumption in this scenario is that 40% of the resident population affected by Katrina will have power outage in this area will cause a need for water.

Details about this model may be obtained at **https://englink.usace.army.mil** or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Katrina Water Model

Generated By:
Terry Siemsen, LRL 1800 EDT 08/28/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Katrina Population Model

Landfall Expected In About **12** Hours

For Official Use Only!

Most Probable Landfall Population Model Results

Louisiana – persons
Mississippi –persons

Model results per county on following page

This model is based on a Category 4 storm making landfall in near proximity to New

Information provided on this page displays a Category 4 storm making landfall near New Orleans, LA. These projections are based on information from the NHC ***(1700 EDT 08/28/2005)*** forecast. The number of persons included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values).

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers **Hurricane Katrina Population Model**

Generated By:
Terry Siemsen, LRL 1800 EDT 08/28/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Katrina Population Model

Landfall Expected In About **12** Hours

For Official Use Only!

The number of persons estimated to be within hurricane force winds comes from Census 2000 values.

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US Army Corps of Engineers

Hurricane Katrina Population Model

Generated By:
Terry Siemsen, LRL 1800 EDT 08/28/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Katrina Households Model

Landfall Expected In About **12** Hours

For Official Use Only!

Most Probable Landfall Households Model Results

Louisiana - households
Mississippi - households

Model results per county on following page

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US Army Corps of Engineers

Hurricane Katrina Households Model

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Sources:
HURREVAC
LRL-DEBRIS

Hurricane Katrina Households Model

Landfall Expected In About **12** Hours

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US Army Corps of Engineers

Hurricane Katrina Households Model

Generated By:
Terry Siemsen, LRL 1800 EDT 08/28/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Katrina Temporary Roofing Model Results

Landfall Expected In About **12** Hours

For Official Use Only!

Most Probable Landfall Temporary Roofing Model Results

Louisiana –
Mississippi –

Model results per county on following page

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Information provided on this page displays a Category 4 storm making landfall near New Orleans, LA. These projections are based on information from the NHC ***(1700 EDT 08/28/2005)*** forecast. The amount of temporary roofing that may be required is based on 1% of housing units damaged in CAT 1 wind area, 3% of housing units damaged in CAT 2 wind areas, 5% of housing units damaged in CAT 3 wind areas, and 7% of housing units damaged in CAT 4 wind areas. This only indicates possible need – not necessarily a mission to repair roofs.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Katrina Roofing Model

Generated By:
Terry Siemsen, LRL 1800 EDT 08/28/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Katrina Temporary Roofing Model Results

Landfall Expected In About **12** Hours

For Official Use Only!

THIS IS AN EXPERIMENTAL MODEL !! THE VALUES ARE PRELIMINARY AND SHOULD BE CONSIDERED A GUIDE BUT NOT AN ABSOLUTE VALUE !!

The amount of temporary roofing that may be required is based on 1% of housing units damaged in CAT 1 wind areas, 3% of housing units damaged in CAT 2 wind areas, 5% of housing units damaged in CAT 3 wind areas, and 7% of housing units damaged in CAT 4 wind areas. This only indicates possible need – not necessarily a mission to repair roofs.

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Hurricane Katrina Roofing Model

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Sources:
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LRL-DEBRIS

Hurricane Katrina Temporary Housing Model Results

Landfall Expected In About **12** Hours

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Most Probable Landfall Temporary Housing Model Results

Louisiana –
Mississippi –

Model results per county on following page

This model is based on a Category 4 storm making landfall in near proximity to New Orleans, LA.

Information provided on this page displays a Category 4 storm making landfall near New Orleans, LA. These projections are based on information from the NHC (***1700 EDT 08/28/2005***) forecast. The amount of temporary housing that may be required is based on no housing need in CAT 1 wind area, 1% of housing units requiring temporary replacement in CAT 2 wind areas, 3% of housing units requiring temporary replacement in CAT 3 wind areas, and 7% of housing units requiring temporary replacement in CAT 4 wind areas.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Katrina Housing Model

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Terry Siemsen, LRL 1800 EDT 08/28/2005

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Hurricane Katrina Temporary Housing Model Results

Landfall Expected In About **12** Hours

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The amount of temporary housing that may be required is based on no housing need in CAT 1 wind areas, 1% of housing units requiring replacement in CAT 2 wind areas, 3% of housing units requiring replacement in CAT 3 wind areas, and 7% of housing units requiring replacement in CAT 4 wind areas.

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